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89-140807/19 JGC CORP 29.09.87-JP-239983 (30.03.89) B01j-23/40 Prepn. of noble metal catalyst - by modifying <u>granular silica</u> with <u>silane contg. amino gp.</u> fixing noble metal ions on surface and reducing C89-062393	E11 J04 JAGA 29.09.87 *JP 1085-141-A	E(5-E2D, 31-P1, 31-P3, 35) J(4-E4) N(1-D, 2, 2-E, 2-F2, 5-E1, 6-E)
Catalyst of <u>silica</u> carrying noble metal on its surface, is prep'd. by (a) modifying <u>granular silica</u> by reacting it with silane cpd. having <u>amino-gp.</u> , then (b) fixing noble metal ions on the surface of silica by contacting the modified silica with aq. soln. of the noble metal salt in quantity of a fourth mole or less based on amino-gp. of the modified silica, then (c) reducing the noble metal-carrying silica. Pref. 3-aminopropyl trialkoxysilane or N-(2-amino-ethyl)-3-amino-propyl trialkoxysilane is used as silane cpd. having amino-gp. Pref. amt. of amino-gps. fixed on silica is 0.1 to 2.0 millimole per gram of the modified silica. ADVANTAGE - The catalyst can be <u>prep'd.</u> with good reproducibility of performance and carries noble metal in a high density on the surface of silica, and thickness of the carrying layer can be controlled. (4pp Dwg.No.0/1)		

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